



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/223,774	12/31/1998	GREGORY S. LINDHORST	3797.77995	3334

28319 7590 01/21/2004

BANNER & WITCOFF LTD.,
ATTORNEYS FOR MICROSOFT
1001 G STREET, N.W.
ELEVENTH STREET
WASHINGTON, DC 20001-4597

EXAMINER

BASHORE, WILLIAM L

ART UNIT PAPER NUMBER

2176

DATE MAILED: 01/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/223,774

Applicant(s)

LINDHORST ET AL.

Examiner

William L. Bashore

Art Unit

2176

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. This action is responsive to communications: RCE and amendment, both filed 10/14/2003, to the original application filed 12/31/1998, IDS filed 4/2/2002 (paper 7), and 8/27/2002 (paper 10).
2. The rejection of claims 1, 3 under 35 U.S.C. 101 as directed no non-statutory subject matter has been withdrawn as necessitated by amendment.
3. The rejection of claims 1-11 under 35 U.S.C. 103(a) as being unpatentable over Glaser, has been withdrawn as necessitated by amendment.
4. Claims 1-15 are pending. Claims 12-15 have been added. Claims 1, 3, 8, 12, 14 are independent claims.

Continued Examination Under 37 CFR 1.114

5. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/14/2003 has been entered.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. **Claims 1-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Glaser, U.S. Patent No. 5,953,731 issued September 1999, in view of Foley et al. (hereinafter Foley), U.S. Patent No. 5,706,502 issued January 1998.**

In regard to independent claim 1, Glaser teaches a software development environment comprising an Applet control list of all forms and projects. Glaser also teaches inserting controls from one form or HTML page onto another HTML page (Glaser Abstract, column 7 lines 40-45; compare with claim 1 *"A computer readable medium...said data structure comprising", "a page object control on a first page for storing a list...associated with said first page"*).

Glaser teaches a control from one form or HTML page inserted into another HTML page. A form window displaying applet "FORM1" is dragged into a "FORM2" drop location, resulting in a transfer of the applet object, or a reference to said object (with an added HTML reference), onto the new form or HTML page with all necessary code associated with said object. The second page can instantiate an applet, including the methods and properties associated with said applet, which is copied from the first page onto the second page (Abstract, column 6 lines 65-67, column 7 lines 1-9, 26-34; compare with claim 1 *"wherein a second page is capable of instantiating...with said first page into said second page."*).

The limitation of *"a page object control"* would have been obvious to one of ordinary skill in the art at the time of the invention, in view of Glaser, because Glaser teaches a project window with an applet list of various applet forms (Glaser column 7 lines 42-45). Since it is known in the Web publishing art that applets are generally applied to forms and HTML pages, and Glaser teaches selecting and inserting a control from one form object or HTML page into another HTML page (Glaser Abstract, at

Art Unit: 2176

middle), it would have been obvious to interpret said forms from said applet list as associated with HTML pages, providing the advantage of form objects that are customized to different pages.

Glaser does not specifically teach said page object control containing a list of related objects and methods/properties. However, Foley teaches a project manager allowing copying of various project methods into other files (Foley Abstract). Foley teaches icons referencing various applets with other related methods and properties, which can be imported and copied accordingly (Foley column 6 lines 37-54, 60-67, column 8 lines 43-48, column 10 lines 8-12, Figures 1-6) (compare with claim 1 “*a list of objects and associated methods and properties relating to said objects*”, and “*a list of objects*”). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Foley to Glaser, providing Glaser the benefit of listings of related items related to a control for organized analysis.

In regard to dependent claim 2, Glaser teaches dragging a control into a dropped position (settable by developer) in an HTML page (Glaser column 7 lines 14-20; compare with claim 2).

In regard to independent claim 3, Glaser does not specifically teach “*creating a first page capable of referencing a second page*”, and “*referencing said second page from said first page*”, as claimed. However, these limitations would have been obvious to one of ordinary skill in the art at the time of the invention, in view of Glaser, because Glaser teaches a project window with an applet list of various applet forms (Glaser column 7 lines 42-45). Since it is known in the Web publishing art that applets are generally applied to forms and HTML pages, and since Glaser teaches selecting and inserting a control from one form object or HTML page into another HTML page (Glaser Abstract, at middle), it would have been obvious to interpret that, initially, one page must reference another page containing the control to be copied, so that said control can be copied, providing Glaser the benefit of referencing pages for visually inspecting controls.

Art Unit: 2176

Glaser teaches editing a page with a form editor (Glaser Abstract; compare with claim 3 “*editing said first page*”).

Glaser teaches a control from one form or HTML page inserted into another HTML page. A form window displaying applet “FORM1” is dragged into a “FORM2” drop location, resulting in a transfer of the applet object, or a reference to said object (with an added HTML reference), onto the new form or HTML page with all necessary code associated with said object. The second page can instantiate an applet, including the methods and properties associated with said applet, which is copied from the first page onto the second page (Abstract, column 6 lines 65-67, column 7 lines 1-9, 26-34; compare with claim 3 “*referencing at least one of a method or property...being associated with said second page*”).

Glaser teaches a data storage device for storing data (Glaser column 3 lines 66-67; compare with claim 3 “*storing said first page.*”).

Glaser does not specifically teach said page object control containing a list of related objects. However, Foley teaches a project manager allowing copying of various project methods into other files (Foley Abstract). Foley teaches icons referencing various applets with other related methods and properties, which can be imported and copied accordingly (Foley column 6 lines 37-54, 60-67, column 8 lines 43-48, column 10 lines 8-12, Figures 1-6) (compare with claim 3 “*a list of objects*”). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Foley to Glaser, providing Glaser the benefit of listings of related items related to a control for organized analysis.

In regard to dependent claims 4, 5, Glaser teaches a development environment comprising an Applet control list of all forms and projects, and inserting controls from one form or HTML page into another HTML page with all necessary code associated with said object (Glaser Abstract, column 7 lines 40-45; compare with claims 4, 5.

In regard to dependent claims 6, 7, Glaser teaches dragging a control into a modifiable dropped position in an HTML page (Glaser column 7 lines 14-20; compare with claims 6, 7).

In regard to independent claim 8, Glaser teaches a development environment comprising an Applet control list of all forms and projects. Glaser also teaches inserting controls from one form or HTML page onto another HTML page (Glaser Abstract, column 7 lines 40-45; compare with claim 8 “*a first page object control on a first page*”, and “*a second page object control on a second page, said second page object control storing a list...* ”).

Glaser teaches inserting controls from one form or HTML page onto another HTML page (Glaser Abstract; compare with claim 8 “*at least one method on said second page*”).

Glaser teaches a control from one form or HTML page inserted into another HTML page. A form window displaying applet “FORM1” is dragged into a “FORM2” drop location, resulting in a transfer of the applet object, or a reference to said object (with an added HTML reference), onto the new form or HTML page with all necessary code associated with said object. The second page can instantiate an applet, including the methods and properties associated with said applet, which is copied from the first page onto the second page (Abstract, column 6 lines 65-67, column 7 lines 1-9, 26-34; compare with claim 8, “*wherein said first page retrieves said second page object control.... to support script in said first page.*”).

The limitation of “*pages as objects*”, and “*page object*” would have been obvious to one of ordinary skill in the art at the time of the invention, in view of Glaser, because Glaser teaches a project window with an applet list of various applet forms (Glaser column 7 lines 42-45). Since it is known in the Web publishing art that applets are generally applied to forms and HTML pages, and Glaser teaches selecting and inserting a control from one form object or HTML page into another HTML page (Glaser Abstract, at middle), it would have been obvious to interpret said forms from said applet list as associated

Art Unit: 2176

with HTML pages, providing the advantage of form objects that are customized to different pages.

Glaser does not specifically teach said page object control containing a list of related objects, methods and properties. However, Foley teaches a project manager allowing copying of various project methods into other files (Foley Abstract). Foley teaches icons referencing various applets with other related methods and properties, which can be imported and copied accordingly (Foley column 6 lines 37-54, 60-67, column 8 lines 43-48, column 10 lines 8-12, Figures 1-6) (compare with claim 8 “... *said list comprising at least one of a method and a property associated with said referenced page*”). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Foley to Glaser, providing Glaser the benefit of listings of related items related to a control for organized analysis.

In regard to dependent claim 9, Glaser teaches dragging a control into a dropped position (settable by developer) in an HTML page (Glaser column 7 lines 14-20).

In regard to dependent claims 10-11, Glaser teaches implementation of its invention using a client/server embodiment (Glaser Figure 1, column 3 lines 43-46, 60-67 to column 4 lines 1-14).

In regard to independent claim 12, claim 13 incorporates substantially similar subject matter as claimed in claims 3, 5, and is rejected along the same rationale.

In regard to dependent claim 13, claim 13 incorporates substantially similar subject matter as claimed in claims 3, 5, and is rejected along the same rationale.

In regard to independent claim 14, claim 14 incorporates substantially similar subject matter as claimed in claim 1, and is rejected along the same rationale.

In regard to dependent claim 15, Glaser teaches dragging a control into a dropped position (settable by developer) in an HTML page (Glaser column 7 lines 14-20).

Response to Arguments

8. Applicant's arguments filed 10/14/2003 regarding unamended limitations have been fully and carefully considered but they are not persuasive.

Applicant's arguments are substantially directed towards alleged failure of Glaser to teach object controls containing a list of objects, etc. These arguments are currently moot in view of the new grounds of rejection.

Applicant argues on pages 8-10 of the amendment that Glaser does not teach referencing a second page from a first page. The examiner notes that since Glaser teaches selecting and inserting a control from one form object or HTML page into another HTML page (Glaser Abstract), it would have been obvious to initially reference the page with the desired control (applet) prior to copying said control. Since Glaser teaches applets, copying an applet will also copy its methods and properties (to preserve the functionality of said applet).

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William Bashore whose telephone number is (703) 308-5807. The examiner can normally be reached on Monday through Friday from 11:30 AM to 8:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild, can be reached on (703) 305-9792.

Art Unit: 2176

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

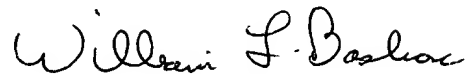
10. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703-872-9306) (for formal/after-final communications intended for entry)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,
Arlington, VA, Fourth Floor (Receptionist).



William L. Bashore
Patent Examiner, AU 2176
January 9, 2004